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## Evaluation of the impact of preventive information on natural risks with original immersion tools

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# Evaluation of the impact of preventive information on natural risks with original immersive tools

I<sup>2</sup>PRI project : impact of preventive information

Beck E., André-Poyaud I., Arnaud A., Borelly A., Chionne D., Duché S., Gaidatzis C., Grancher D., Jacquemet E., Lutoff S., Revol C., Robinet N., Servet P. - Univ. Grenoble Alpes, Pacte Laboratory - Contact : [elise.beck@univ-grenoble-alpes.fr](mailto:elise.beck@univ-grenoble-alpes.fr) EGU2020-18491

## 1. Risk communication: various tools exist in France

*Flyers, plays...*



Information préventive aux populations

1957, le torrent est partout !

Document d'information communal sur les risques majeurs

Source: municipalities of Grenoble, Ceillac and Aiguilles

## 2. Which impact?


- Is it efficient?
- Do informed people know better how to behave?
- Which information tool is efficient?

## 3. « Safe and Sound? »

A tool to evaluate the impact of risk communication on people's knowledge and behaviour in the case of a real event

## 4. A video game and a play for one person

Based on flood and earthquake scenarios + observation and debriefing protocols



## 5. Allow to:

- Create dilemma situations
- Put into situation
- Go beyond questionnaires



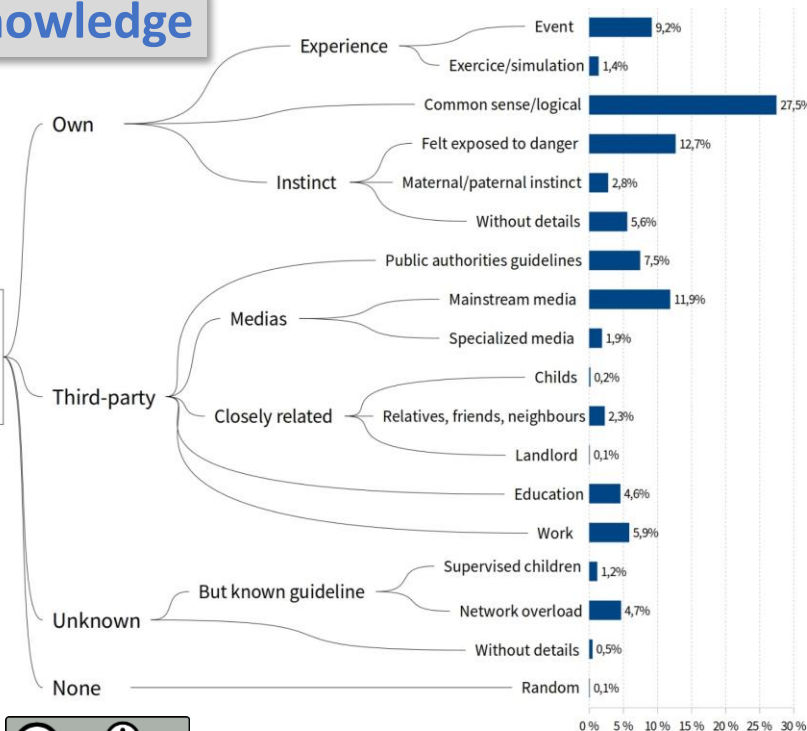
## The experiment in figures

- 6 French alpine municipalities  
Grenoble – Claix – Meylan, Aiguilles, Ceillac, La Roche de Rame
- 18 days of surveys in 2019
- 217 participants

## Source of knowledge

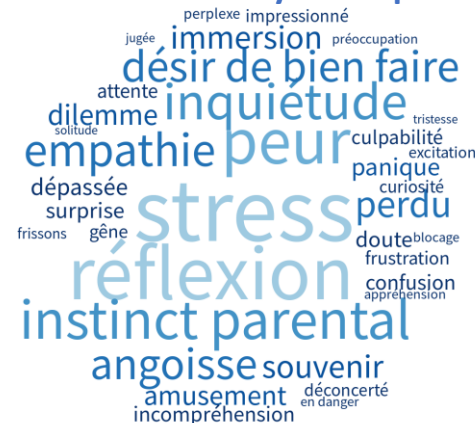
What is the source of the knowledge that led you to make your choice?

151 People interviewed  
1888 Sources collected  
classified in 18 categories

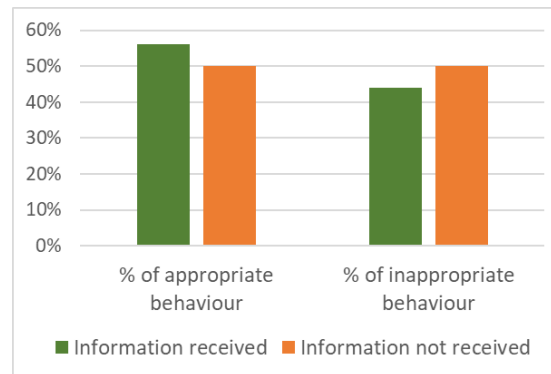


## Side effects

- An interesting tool for raising awareness among the population
- Emotions caused by the experiment:



## Impact of preventive information on behaviours



## Perspectives

- Recommendations for stakeholders
- Evaluation protocol + user guide